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Abstract

Particulate labels that can be individually identified comprise particulate supports to which are bound at least two distinguishable signal generating moieties, such as fluorophores emitting at different wavelengths, which signals are detectable and measurable *in situ*. By varying the ratio and/or amounts of the signal generating moieties, a multiplicity of different and distinguishable labels is obtained. Each different label can then be coupled to a different reagent and the individual interactions of each reagent with a target observed in parallel.